

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066968.D
 Acq On : 5 May 2021 5:09
 Operator : JC/MD
 Sample : M2256-15
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:51:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

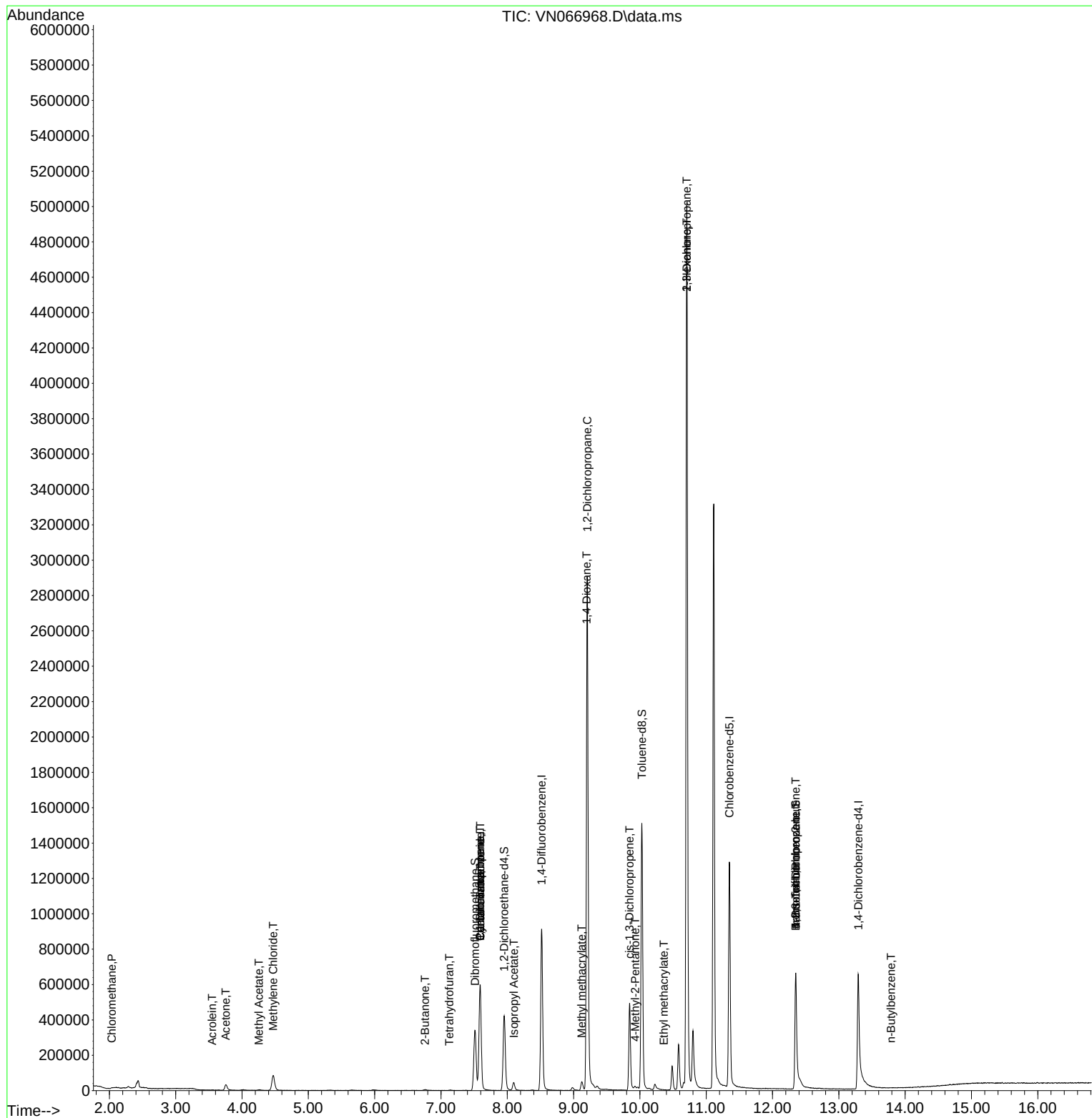
Internal Standards						
1) Pentafluorobenzene	7.592	168	446031	50.00	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.517	114	765097	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	735624	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	251903	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	379813	54.10	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.20%			
35) Dibromofluoromethane	7.514	113	267207	51.43	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 102.86%			
50) Toluene-d8	10.030	98	1034836	52.30	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.60%			
62) 4-Bromofluorobenzene	12.350	95	309045	46.13	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 92.26%			
Target Compounds						Qvalue
3) Chloromethane	2.035	50	1890	0.22	ug/l	# 86
13) Acrolein	3.550	56	254	0.31	ug/l	# 1
16) Acetone	3.754	43	53503	21.66	ug/l	98
18) Methyl Acetate	4.256	43	3995	0.57	ug/l	100
20) Methylene Chloride	4.470	84	60218	9.61	ug/l	# 82
25) 2-Butanone	6.758	43	4508	1.24	ug/l	# 88
29) Tetrahydrofuran	7.125	42	599	0.25	ug/l	# 32
31) Cyclohexane	7.592	56	11199	1.13	ug/l	# 1
36) 1,1-Dichloropropene	7.589	75	40193	5.04	ug/l	# 48
38) Carbon Tetrachloride	7.592	117	47756	5.75	ug/l	# 17
43) Isopropyl Acetate	8.099	43	52691	4.00	ug/l	# 89
45) 1,2-Dichloropropane	9.207	63	3488	0.50	ug/l	# 44
48) Methyl methacrylate	9.121	41	12059	2.06	ug/l	# 10
49) 1,4-Dioxane	9.199	88	255	2.75	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.928	43	12214	1.60	ug/l	100
54) cis-1,3-Dichloropropene	9.845	75	87988	8.39	ug/l	# 65
56) Ethyl methacrylate	10.360	69	198	5.21	ug/l	# 27
57) 1,3-Dichloropropane	10.706	76	49940	4.83	ug/l	# 43
59) 2-Hexanone	10.709	43	734421	145.28	ug/l	# 50
71) Bromoform	12.347	173	2709	0.61	ug/l	# 1
76) 1,2,3-Trichloropropane	12.350	75	157989	26.33	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.350	75	157989	78.93	ug/l	# 12
89) n-Butylbenzene	13.787	91	28	5.24	ug/l	# 11

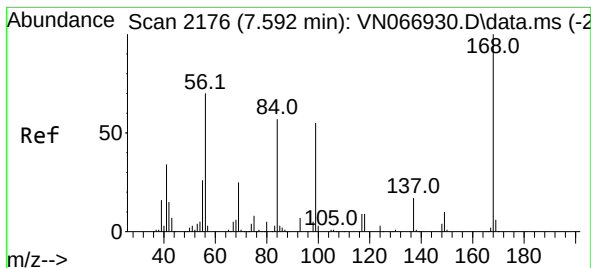
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.592 min Scan# 2176

Delta R.T. 0.000 min

Lab File: VN066968.D

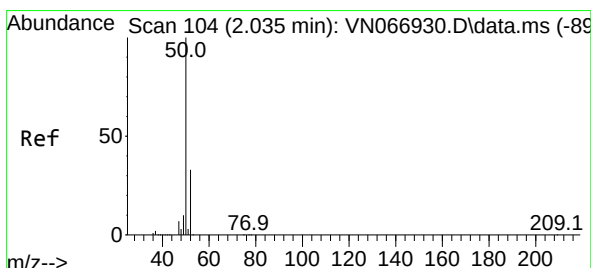
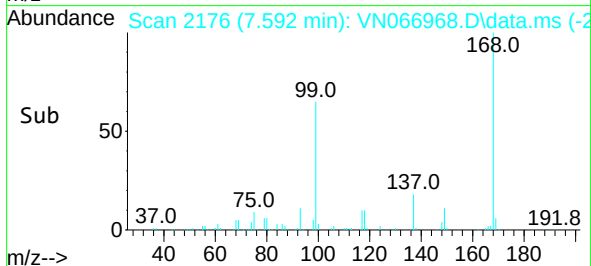
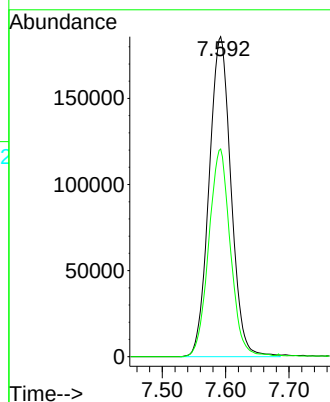
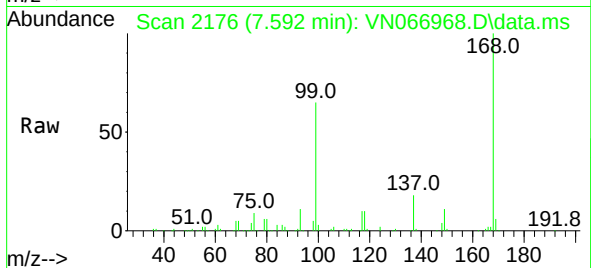
Acq: 5 May 2021 5:09

Tgt Ion:168 Resp: 446031

Ion Ratio Lower Upper

168 100

99 64.9 42.6 63.8#



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.035 min Scan# 104

Delta R.T. 0.000 min

Lab File: VN066968.D

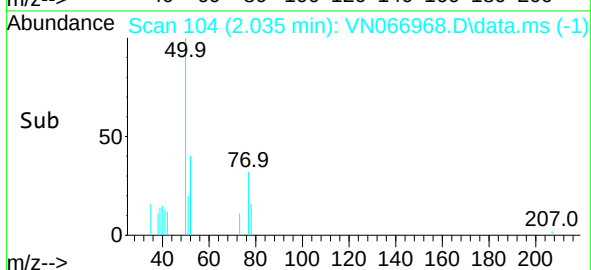
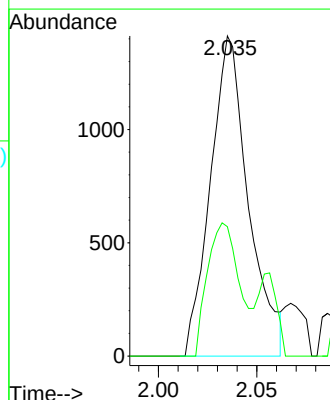
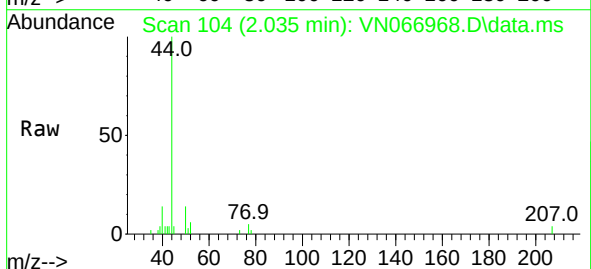
Acq: 5 May 2021 5:09

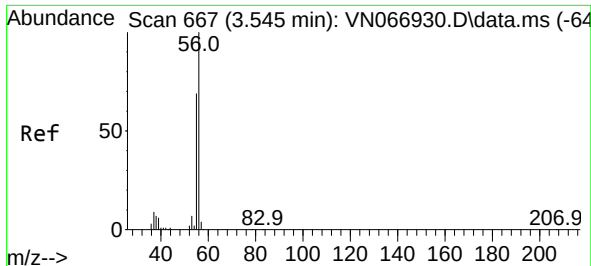
Tgt Ion: 50 Resp: 1890

Ion Ratio Lower Upper

50 100

52 40.4 25.8 38.8#

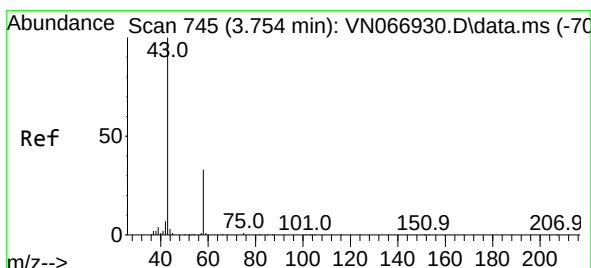
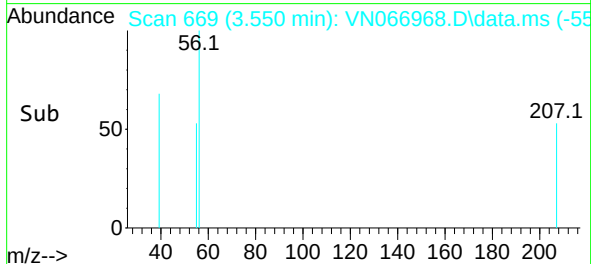
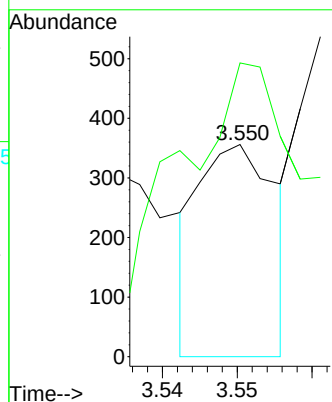
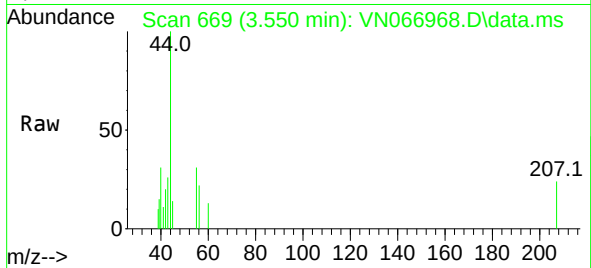




#13
Acrolein
Concen: 0.31 ug/l
RT: 3.550 min Scan# 669
Delta R.T. 0.005 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

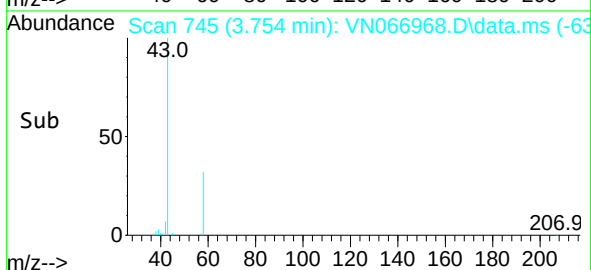
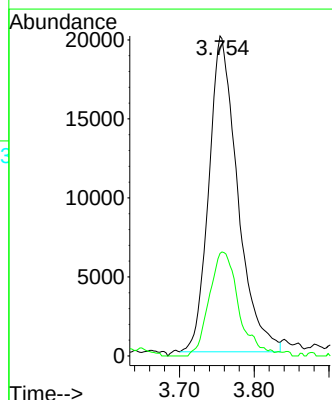
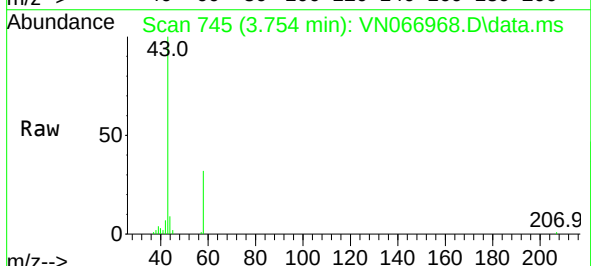
Instrument :
MSVOA_N
ClientSampled :

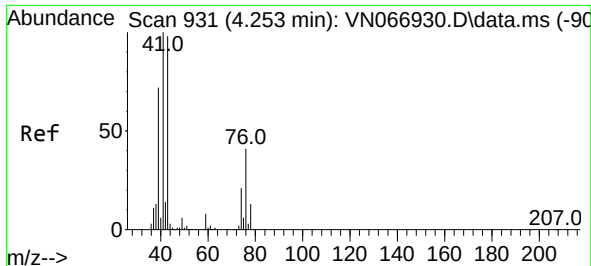
Tgt Ion: 56 Resp: 254
Ion Ratio Lower Upper
56 100
55 222.4 56.0 84.0#



#16
Acetone
Concen: 21.66 ug/l
RT: 3.754 min Scan# 745
Delta R.T. 0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

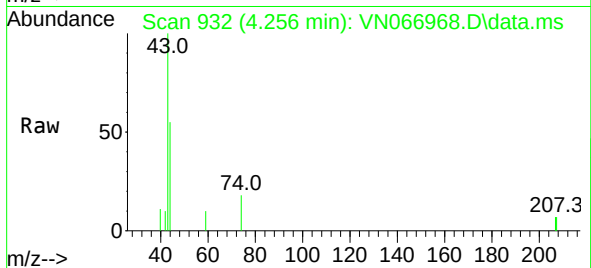
Tgt Ion: 43 Resp: 53503
Ion Ratio Lower Upper
43 100
58 32.5 27.0 40.6



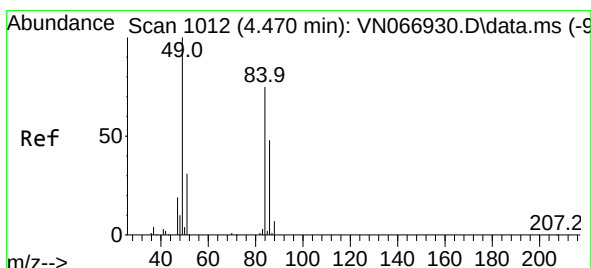
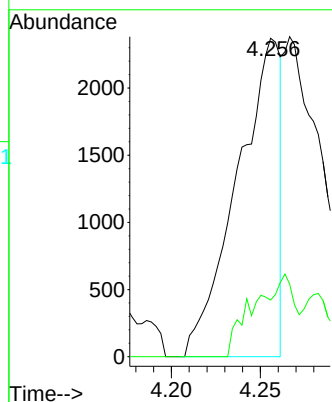
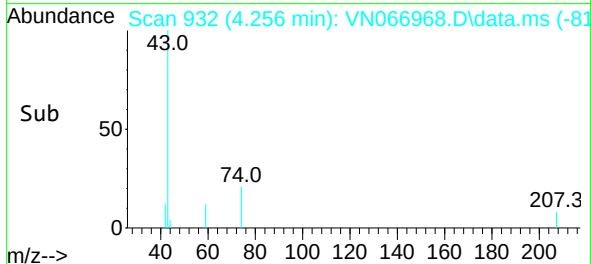


#18
Methyl Acetate
Concen: 0.57 ug/l
RT: 4.256 min Scan# 932
Delta R.T. 0.003 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

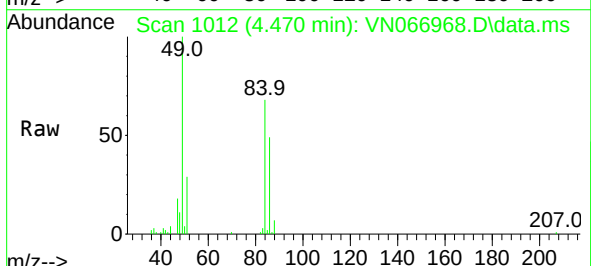
Instrument :
MSVOA_N
ClientSampled :



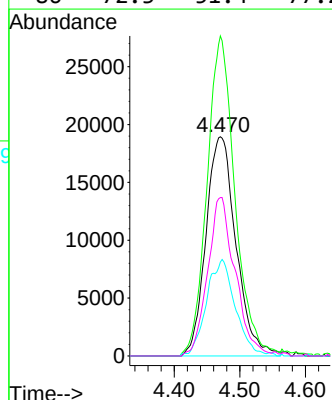
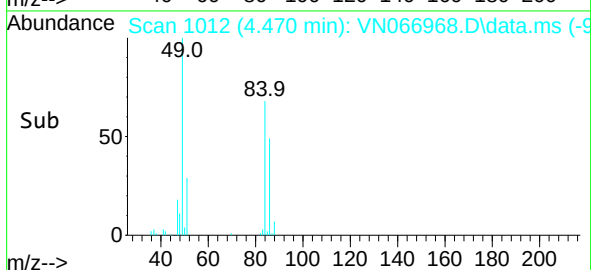
Tgt Ion: 43 Resp: 3995
Ion Ratio Lower Upper
43 100
74 24.4 19.5 29.3

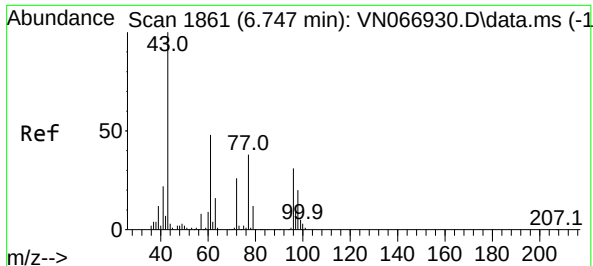


#20
Methylene Chloride
Concen: 9.61 ug/l
RT: 4.470 min Scan# 1012
Delta R.T. 0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09



Tgt Ion: 84 Resp: 60218
Ion Ratio Lower Upper
84 100
49 146.0 94.6 141.8#
51 42.8 29.9 44.9
86 72.3 51.4 77.2

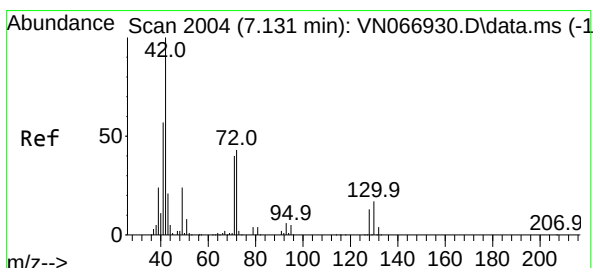
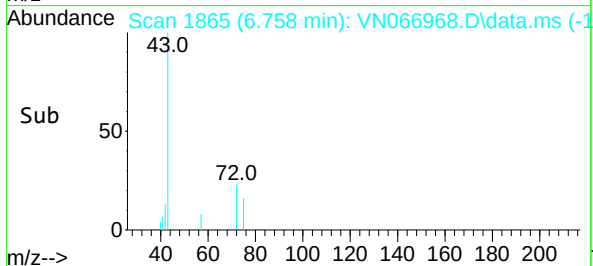
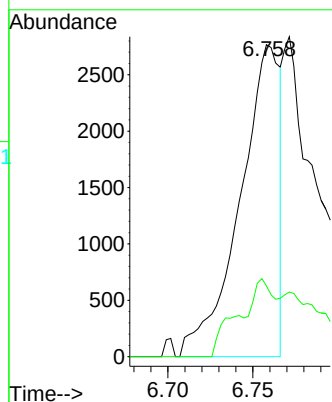
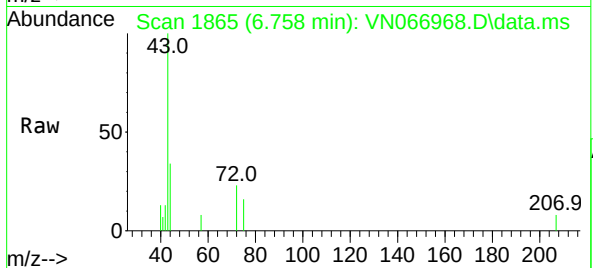




#25
2-Butanone
Concen: 1.24 ug/l
RT: 6.758 min Scan# 1865
Delta R.T. 0.011 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

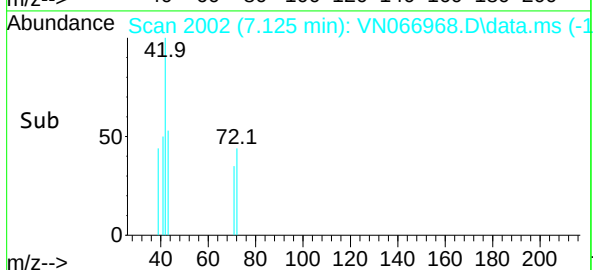
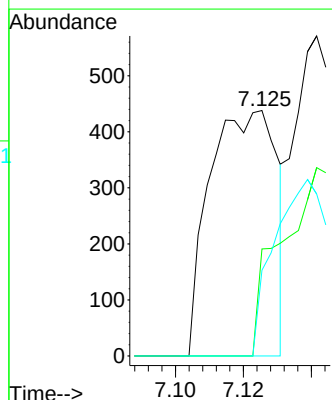
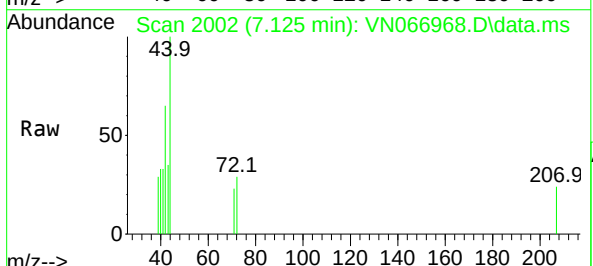
Instrument :
MSVOA_N
ClientSampled :

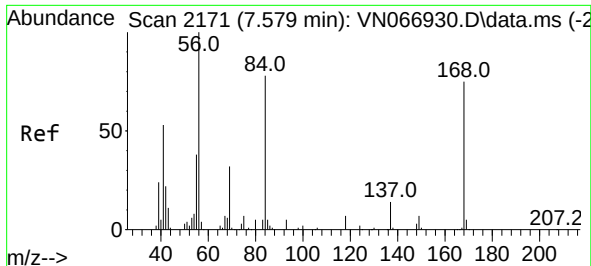
Tgt Ion: 43 Resp: 4508
Ion Ratio Lower Upper
43 100
72 22.7 23.1 34.7#



#29
Tetrahydrofuran
Concen: 0.25 ug/l
RT: 7.125 min Scan# 2002
Delta R.T. -0.006 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

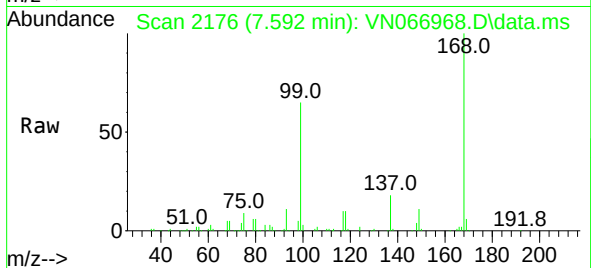
Tgt Ion: 42 Resp: 599
Ion Ratio Lower Upper
42 100
72 0.0 36.6 55.0#
71 0.0 34.3 51.5#



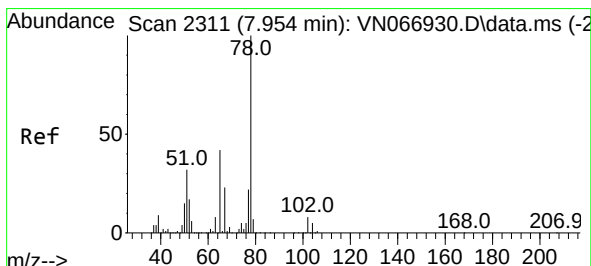
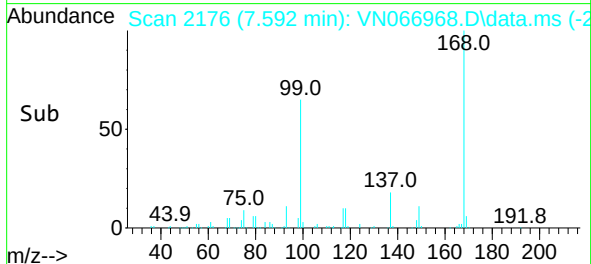
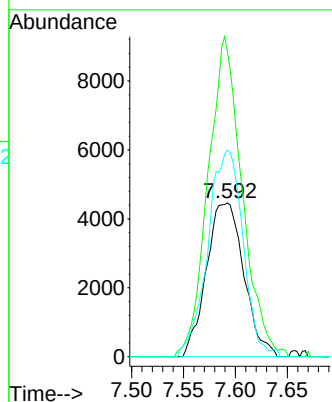


#31
Cyclohexane
Concen: 1.13 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.013 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Instrument :
MSVOA_N
ClientSampled :

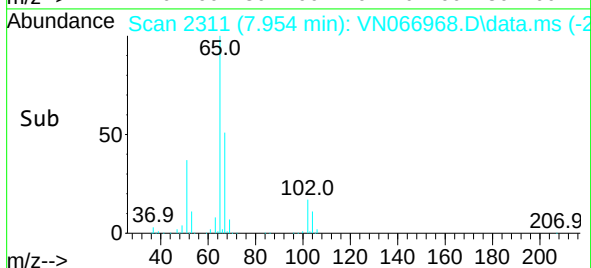
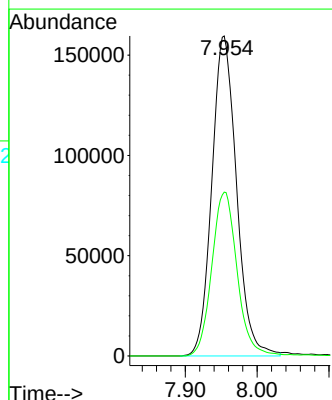
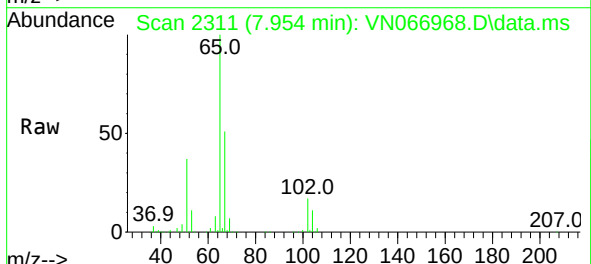


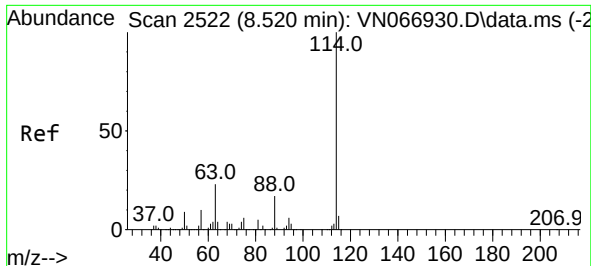
Tgt Ion: 56 Resp: 11199
Ion Ratio Lower Upper
56 100
69 194.4 26.6 39.8#
84 134.3 70.4 105.6#



#33
1,2-Dichloroethane-d4
Concen: 54.10 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 65 Resp: 379813
Ion Ratio Lower Upper
65 100
67 52.5 0.0 107.2

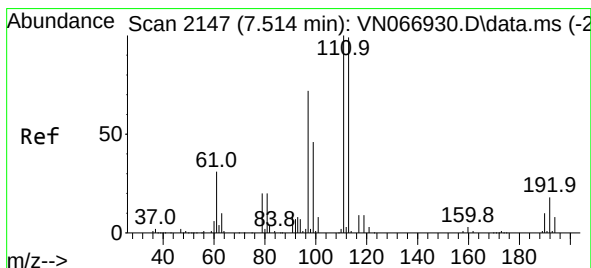
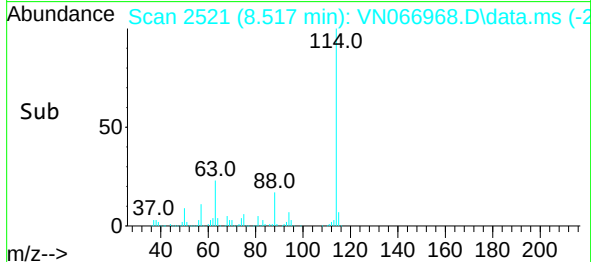
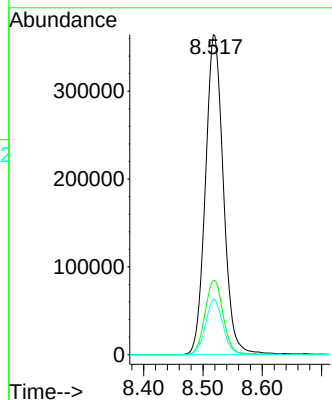
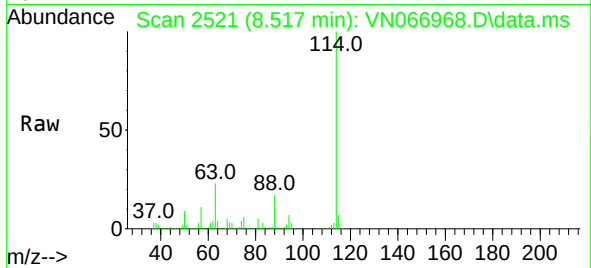




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.517 min Scan# 2521
Delta R.T. -0.003 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

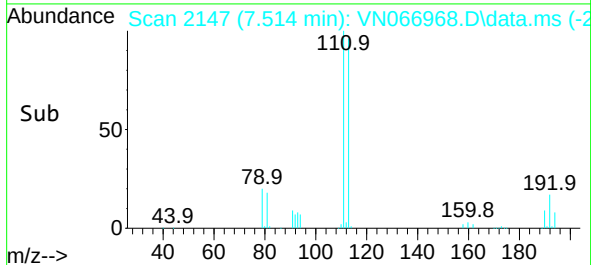
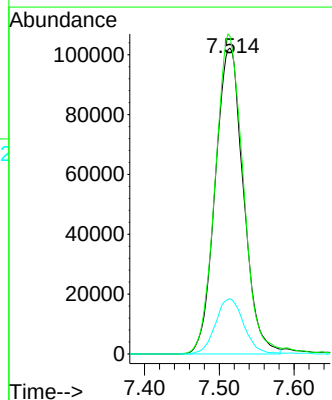
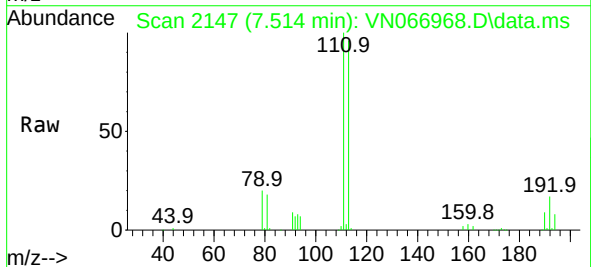
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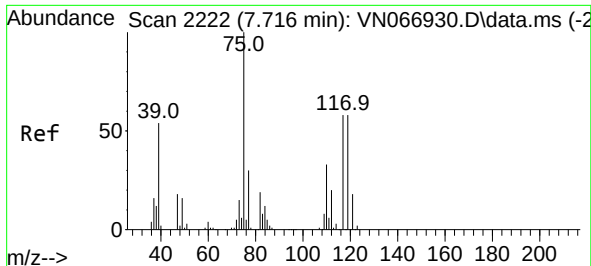
Tgt Ion:114 Resp: 765097
Ion Ratio Lower Upper
114 100
63 23.2 0.0 38.6
88 17.3 0.0 30.6



#35
Dibromofluoromethane
Concen: 51.43 ug/l
RT: 7.514 min Scan# 2147
Delta R.T. 0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion:113 Resp: 267207
Ion Ratio Lower Upper
113 100
111 103.3 82.2 123.2
192 18.1 15.4 23.0

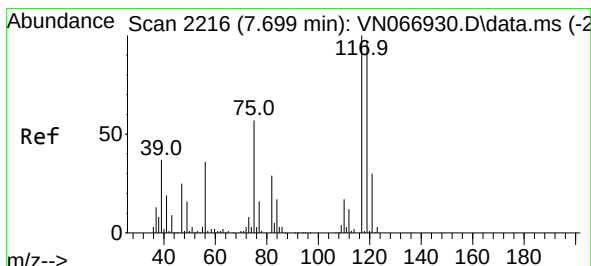
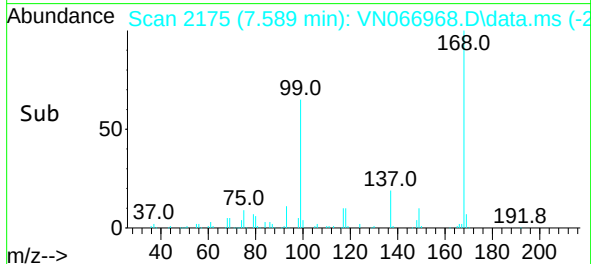
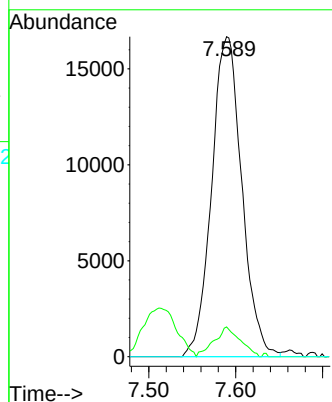
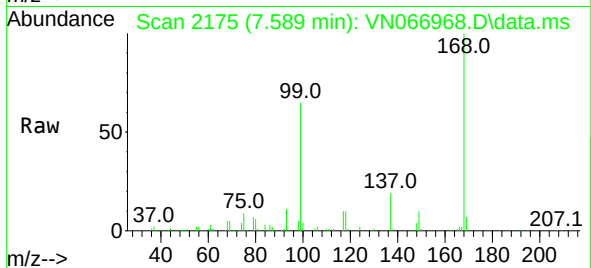




#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

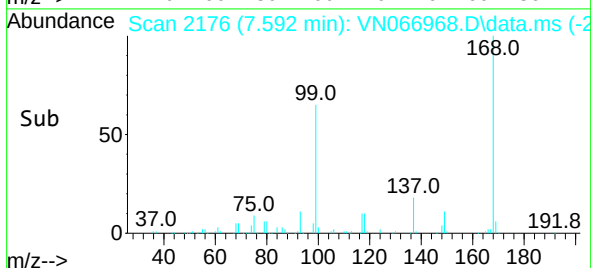
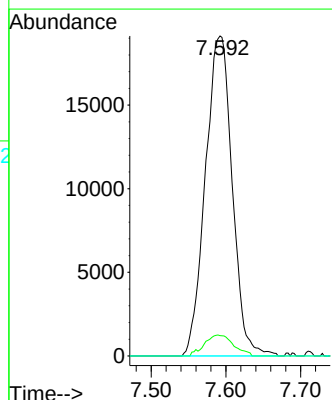
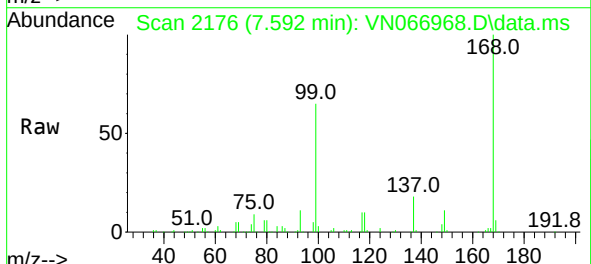
Instrument :
MSVOA_N
ClientSampled :

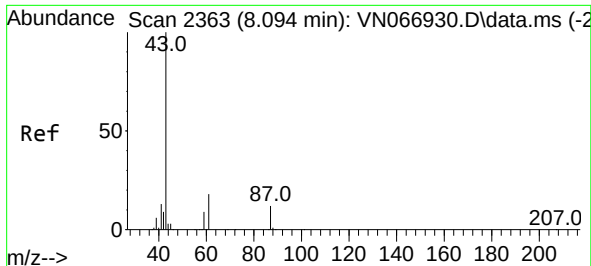
Tgt Ion: 75 Resp: 40193
Ion Ratio Lower Upper
75 100
110 8.0 18.2 54.6#
77 0.0 24.9 37.3#



#38
Carbon Tetrachloride
Concen: 5.75 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

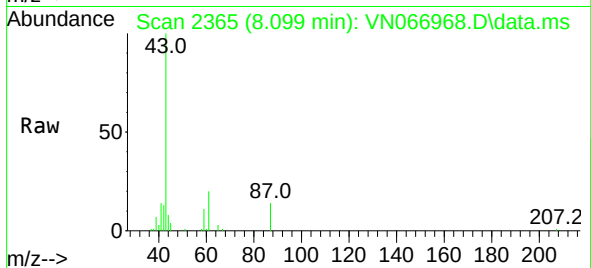
Tgt Ion: 117 Resp: 47756
Ion Ratio Lower Upper
117 100
119 6.4 76.0 114.0#
121 0.0 24.5 36.7#



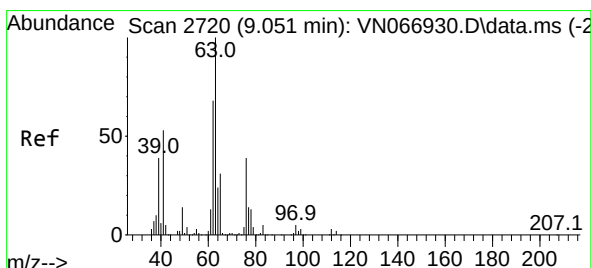
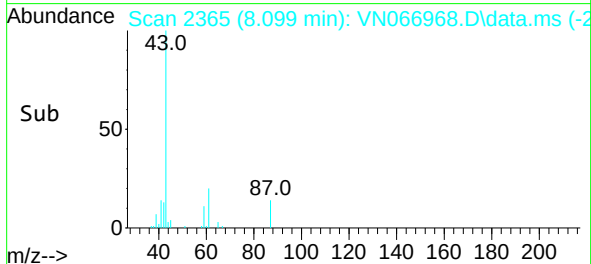
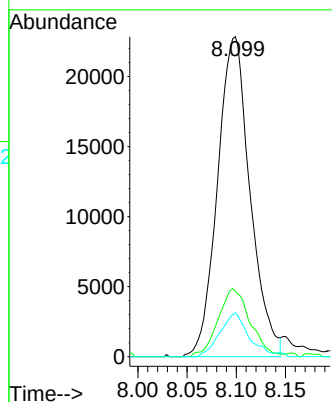


#43
Isopropyl Acetate
Concen: 4.00 ug/l
RT: 8.099 min Scan# 2365
Delta R.T. 0.005 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Instrument :
MSVOA_N
ClientSampled :

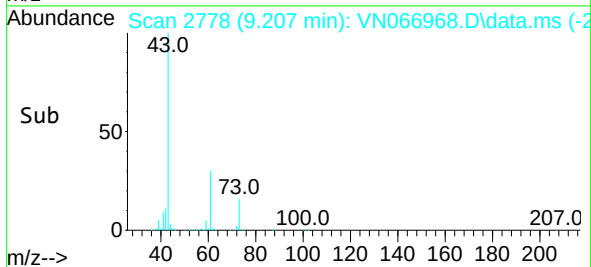
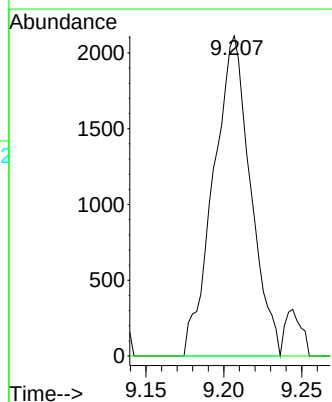
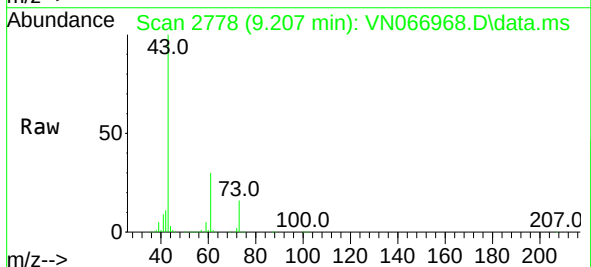


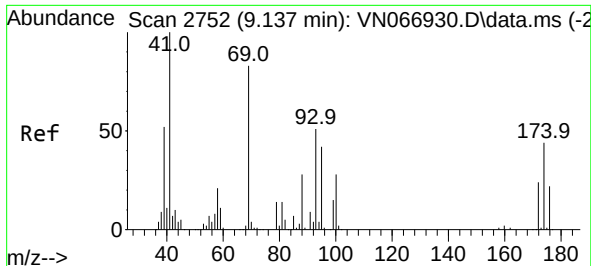
Tgt Ion: 43 Resp: 52691
Ion Ratio Lower Upper
43 100
61 20.9 22.5 33.7#
87 12.0 11.1 16.7



#45
1,2-Dichloropropane
Concen: 0.50 ug/l
RT: 9.207 min Scan# 2778
Delta R.T. 0.156 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 63 Resp: 3488
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

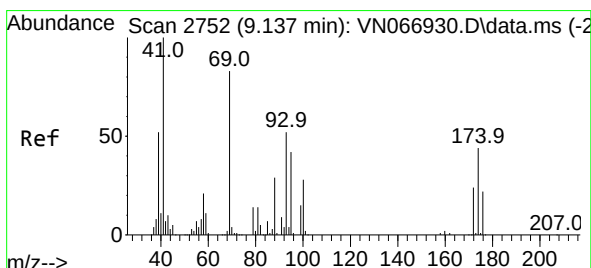
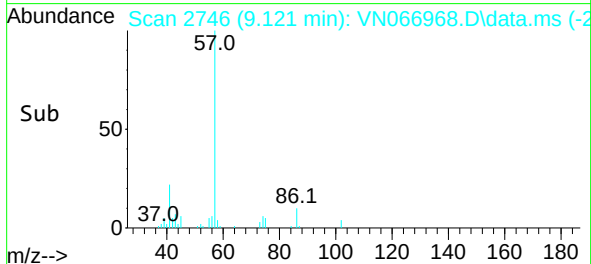
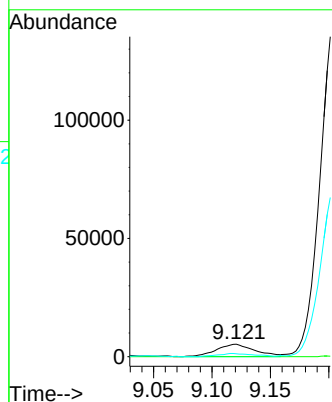
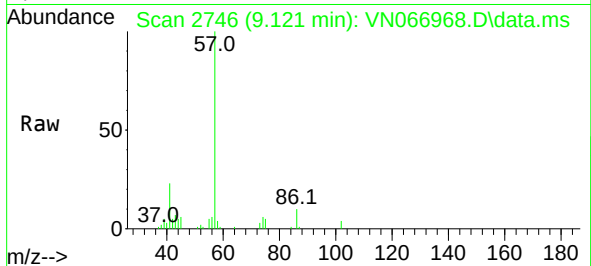




#48
Methyl methacrylate
Concen: 2.06 ug/l
RT: 9.121 min Scan# 2746
Delta R.T. -0.016 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

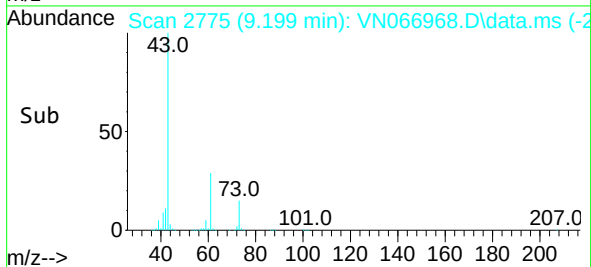
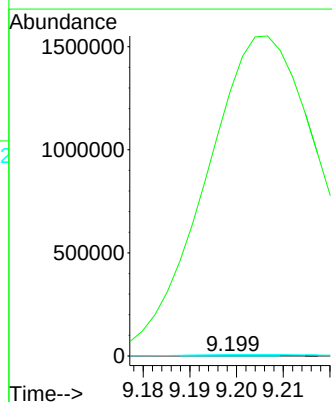
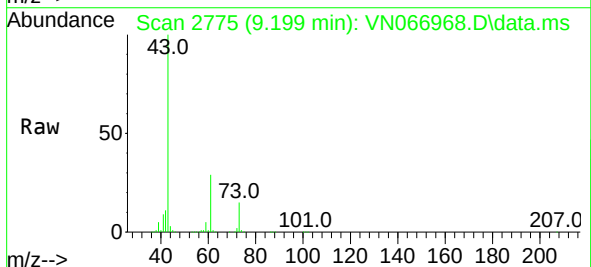
Instrument :
MSVOA_N
ClientSampled :

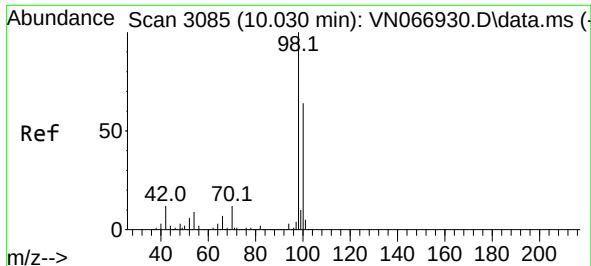
Tgt Ion: 41 Resp: 12059
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



#49
1,4-Dioxane
Concen: 2.75 ug/l
RT: 9.199 min Scan# 2775
Delta R.T. 0.062 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 88 Resp: 255
Ion Ratio Lower Upper
88 100
43 1148623.1 24.7 37.1#
58 6105.9 52.6 78.8#

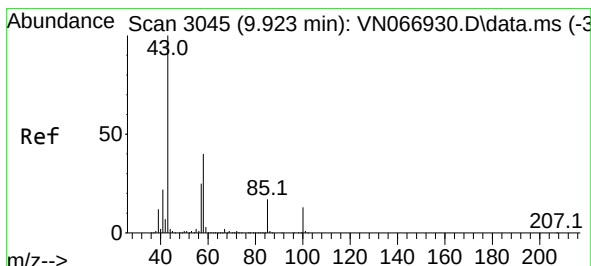
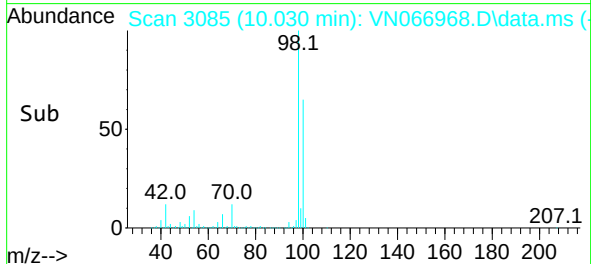
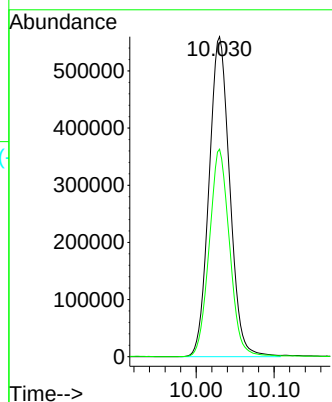
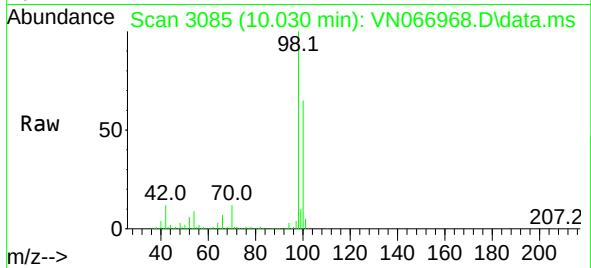




#50
Toluene-d8
Concen: 52.30 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

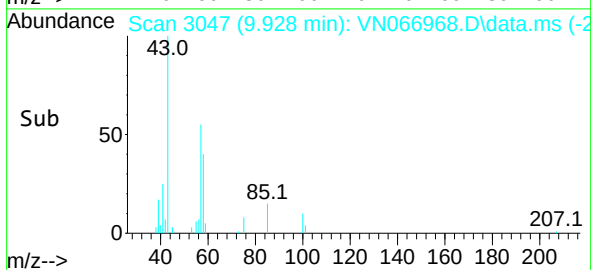
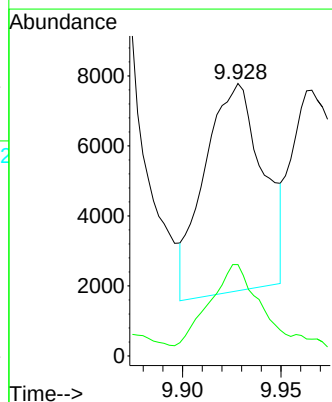
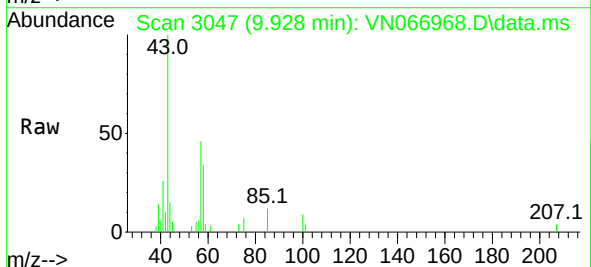
Instrument :
MSVOA_N
ClientSampled :

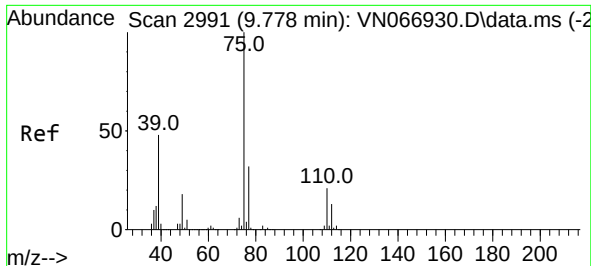
Tgt Ion: 98 Resp: 1034836
Ion Ratio Lower Upper
98 100
100 63.7 50.5 75.7



#51
4-Methyl-2-Pentanone
Concen: 1.60 ug/l
RT: 9.928 min Scan# 3047
Delta R.T. 0.005 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 43 Resp: 12214
Ion Ratio Lower Upper
43 100
58 40.5 32.5 48.7

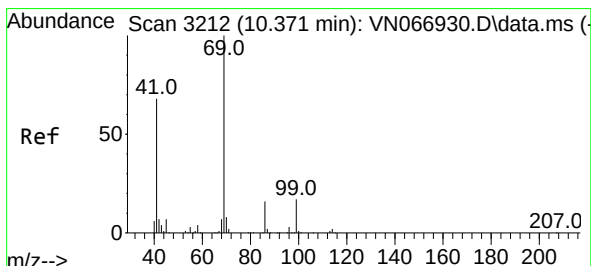
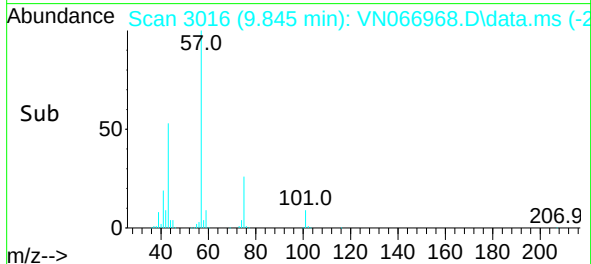
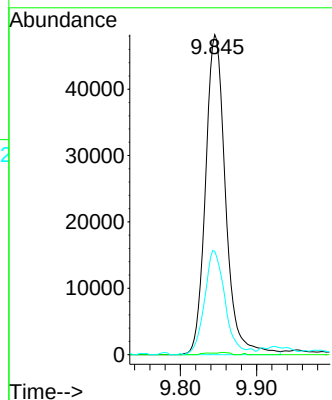
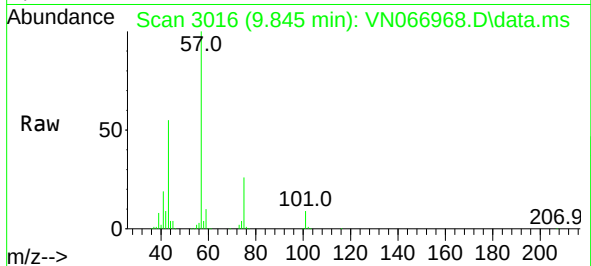




#54
cis-1,3-Dichloropropene
Concen: 8.39 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

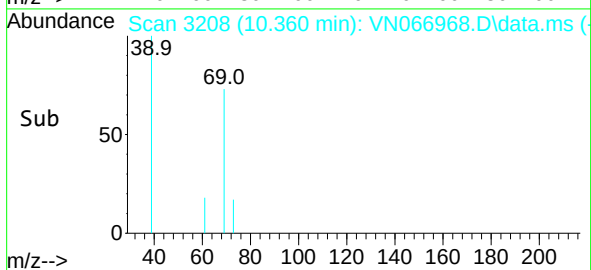
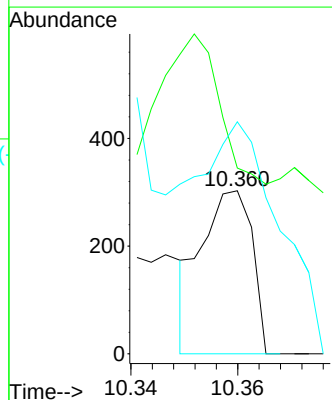
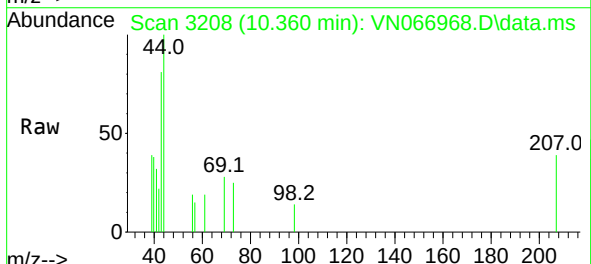
Instrument :
MSVOA_N
ClientSampleId :

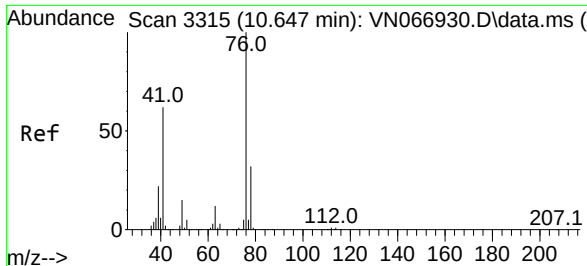
Tgt Ion: 75 Resp: 87988
Ion Ratio Lower Upper
75 100
77 0.5 24.9 37.3#
39 32.0 36.2 54.4#



#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.360 min Scan# 3208
Delta R.T. -0.011 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 69 Resp: 198
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#

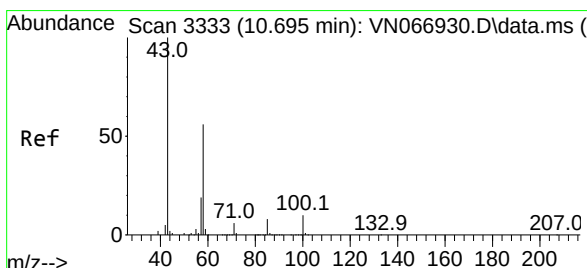
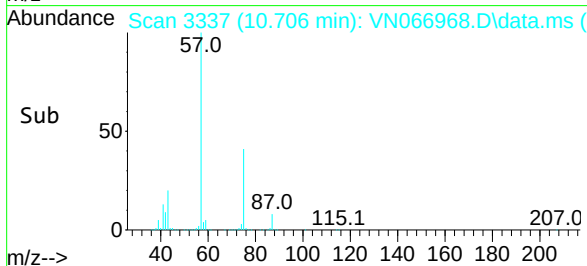
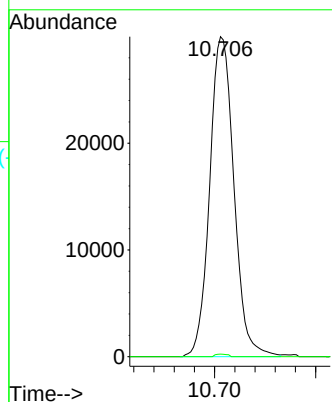
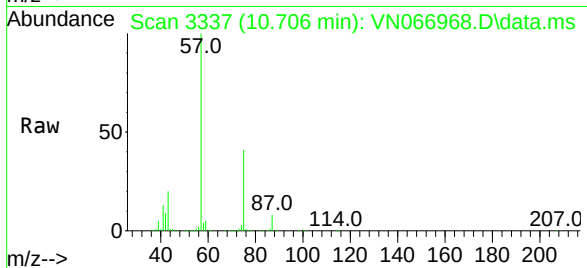




#57
1,3-Dichloropropane
Concen: 4.83 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.059 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

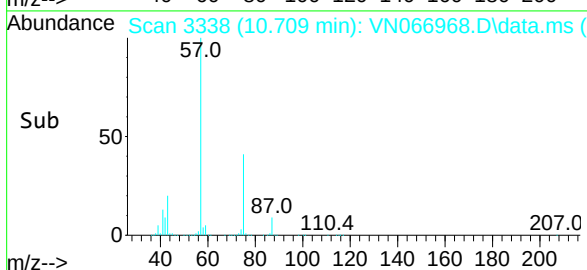
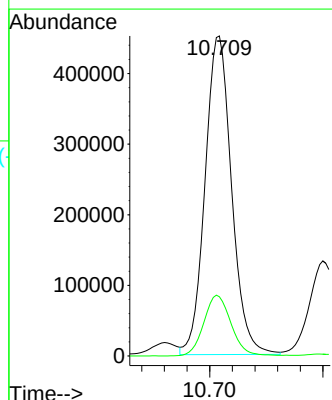
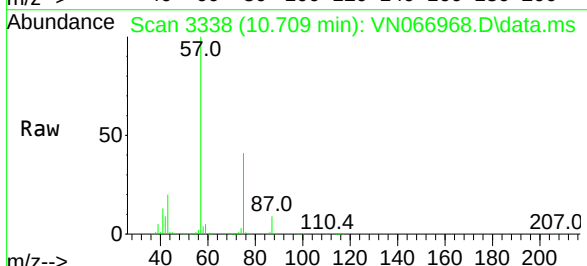
Instrument :
MSVOA_N
ClientSampled :

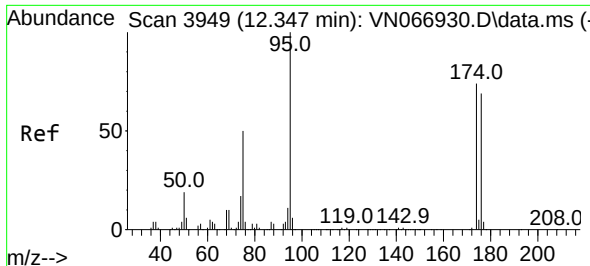
Tgt Ion: 76 Resp: 49940
Ion Ratio Lower Upper
76 100
78 0.4 25.7 38.5#



#59
2-Hexanone
Concen: 145.28 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.014 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 43 Resp: 734421
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#

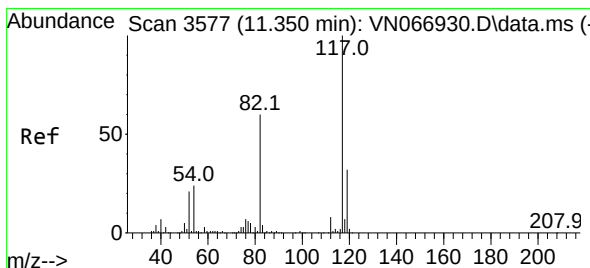
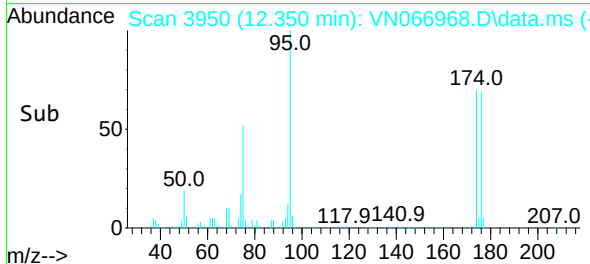
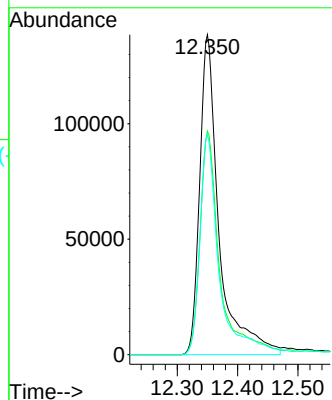
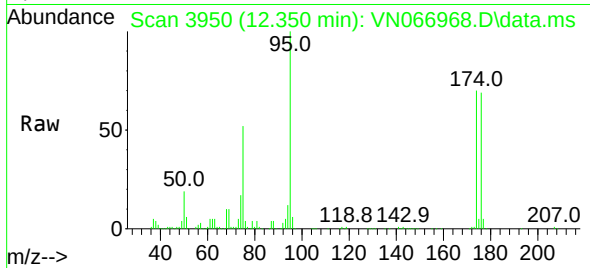




#62
4-Bromofluorobenzene
Concen: 46.13 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

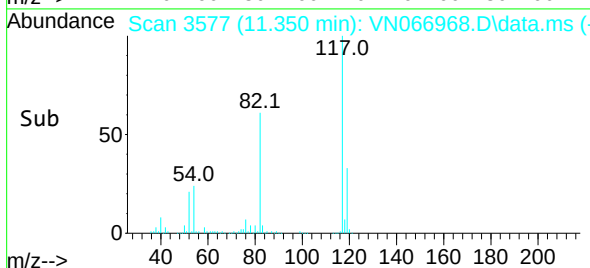
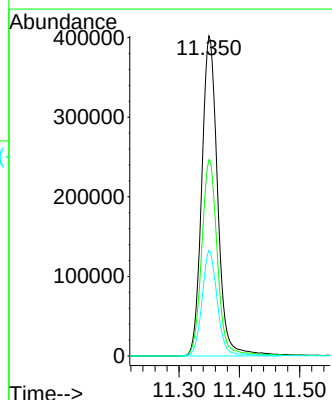
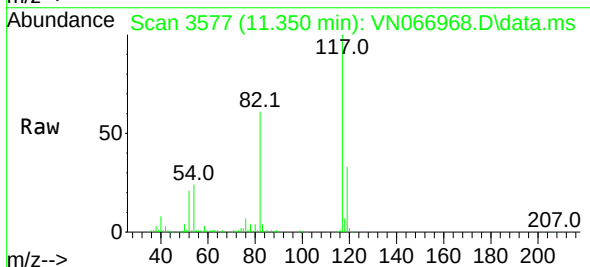
Instrument :
MSVOA_N
ClientSampled :

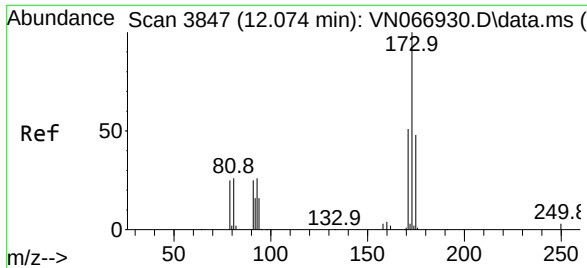
Tgt Ion: 95 Resp: 309045
Ion Ratio Lower Upper
95 100
174 71.4 0.0 169.0
176 68.9 0.0 162.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 117 Resp: 735624
Ion Ratio Lower Upper
117 100
82 61.3 43.7 65.5
119 32.9 26.1 39.1

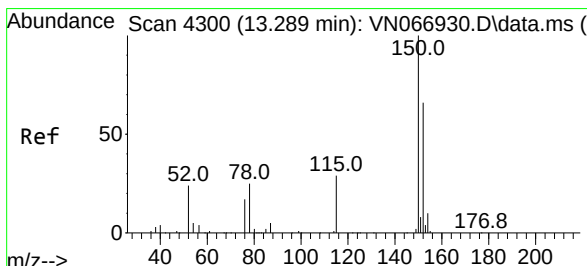
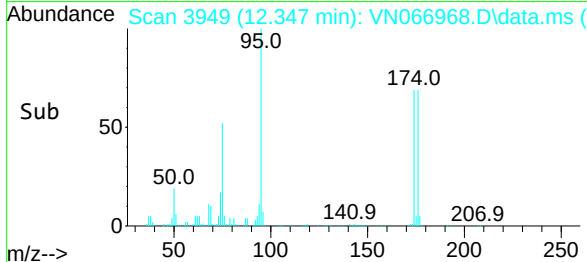
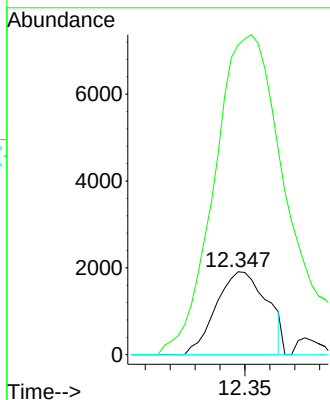
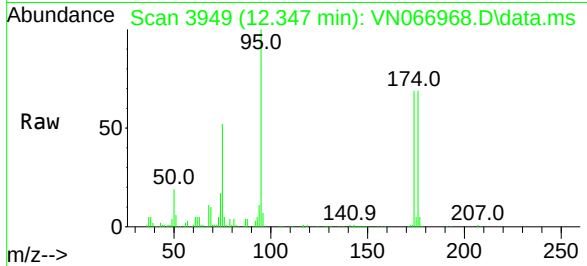




#71
Bromoform
Concen: 0.61 ug/l
RT: 12.347 min Scan# 3949
Delta R.T. 0.273 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

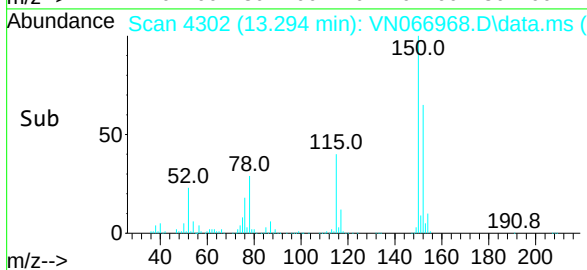
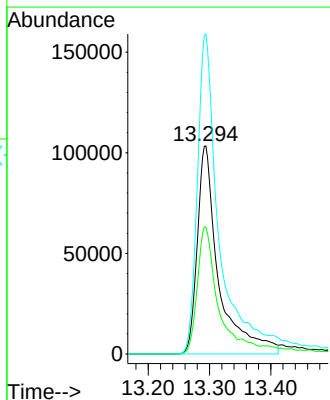
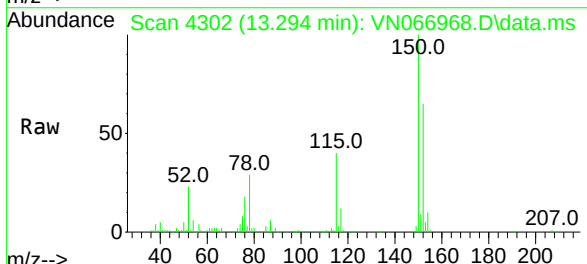
Instrument :
MSVOA_N
ClientSampleId :

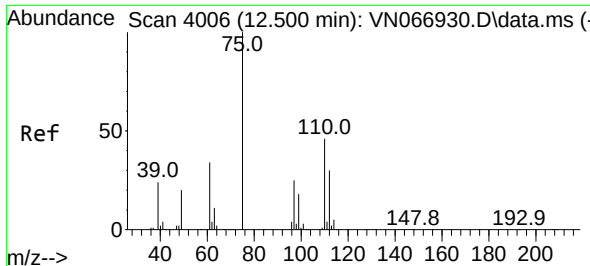
Tgt Ion:173 Resp: 2709
Ion Ratio Lower Upper
173 100
175 441.3 23.8 71.2#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.294 min Scan# 4302
Delta R.T. 0.005 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion:152 Resp: 251903
Ion Ratio Lower Upper
152 100
115 54.8 28.5 85.6
150 153.6 0.0 347.6

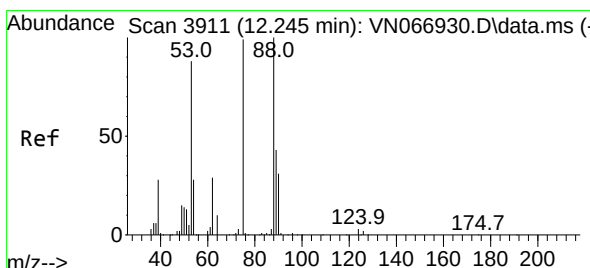
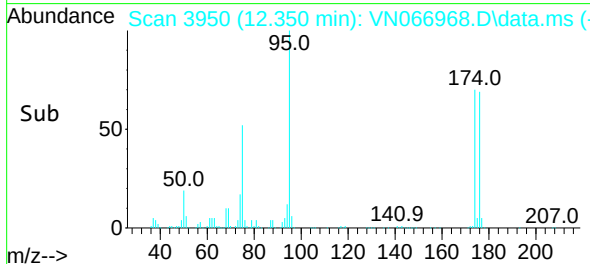
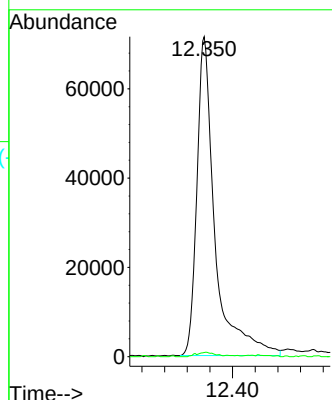
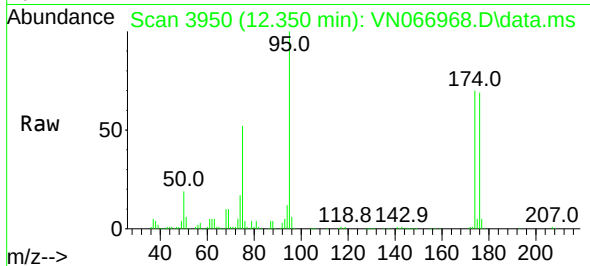




#76
1,2,3-Trichloropropane
Concen: 26.33 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

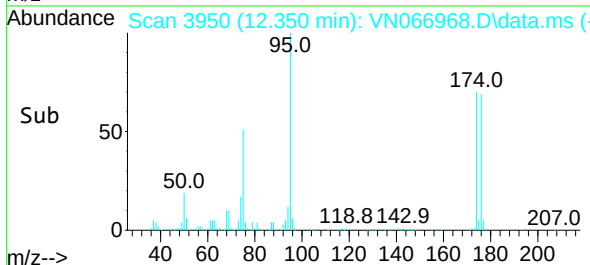
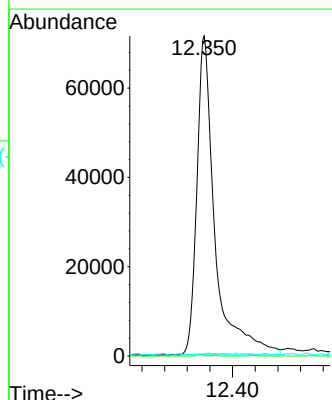
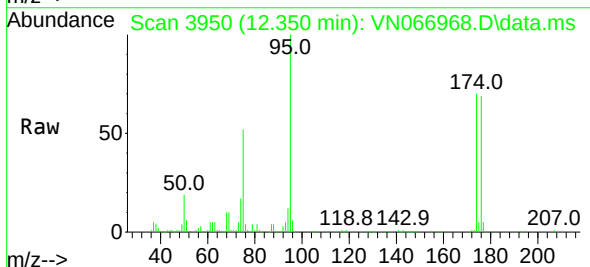
Instrument :
MSVOA_N
ClientSampled :

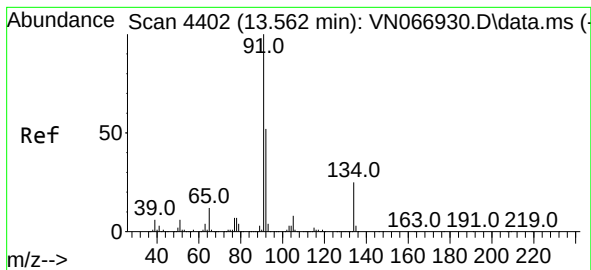
Tgt Ion: 75 Resp: 157989
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.93 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Tgt Ion: 75 Resp: 157989
Ion Ratio Lower Upper
75 100
53 0.0 74.6 111.8#
89 0.2 35.8 53.8#





#89
n-Butylbenzene
Concen: 5.24 ug/l
RT: 13.787 min Scan# 4486
Delta R.T. 0.225 min
Lab File: VN066968.D
Acq: 5 May 2021 5:09

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 91 Resp: 28
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 85.7 13.0 38.9#

